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OM protein - protein search, using sw model

Run on: September 27, 2001, 16:37:42 ; Search time 21.67 Seconds  
(without alignments)  
302.156 Million cell updates/sec

Title: US-09-483-543A-8  
Perfect score: 1693  
Sequence: 1 KRGCAGNDESEERSWYGR.....QNPEDDFSGCGXGLEVLFIQ 318

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339.

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
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2: /cgn2\_6/prodata/2/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/prodata/2/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/prodata/2/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/prodata/2/1aa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/prodata/2/1aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description       |
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| 1          | 1129  | 66.7        | 256    | 1  | US-07-906-349A-8  |
| 2          | 1129  | 66.7        | 256    | 1  | US-08-167-035-4   |
| 3          | 1129  | 66.7        | 256    | 1  | US-08-208-887A-4  |
| 4          | 1129  | 66.7        | 256    | 2  | US-08-539-005-4   |
| 5          | 807.5 | 47.7        | 236    | 1  | US-08-167-035-39  |
| 6          | 807.5 | 47.7        | 236    | 1  | US-08-208-887A-39 |
| 7          | 807.5 | 47.7        | 236    | 2  | US-08-539-005-39  |
| 8          | 387.5 | 22.9        | 107    | 1  | US-08-167-035-25  |
| 9          | 387.5 | 22.9        | 107    | 1  | US-08-208-887A-25 |
| 10         | 387.5 | 22.9        | 107    | 2  | US-08-479-078-24  |
| 11         | 387.5 | 22.9        | 107    | 2  | US-08-539-005-25  |
| 12         | 348.5 | 20.6        | 89     | 1  | US-08-446-038B-23 |
| 13         | 348.5 | 20.6        | 89     | 1  | US-08-446-010B-23 |
| 14         | 348.5 | 20.6        | 89     | 2  | US-08-805-445-23  |
| 15         | 348.5 | 20.6        | 89     | 2  | US-08-064-067D-23 |
| 16         | 348.5 | 20.6        | 89     | 2  | US-09-066-208-23  |
| 17         | 266   | 15.7        | 55     | 1  | US-08-167-035-31  |
| 18         | 266   | 15.7        | 55     | 1  | US-08-208-887A-31 |
| 19         | 266   | 15.7        | 55     | 2  | US-08-539-005-31  |
| 20         | 257   | 15.2        | 50     | 2  | US-08-459-568-57  |
| 21         | 257   | 15.2        | 50     | 2  | US-08-399-411-57  |
| 22         | 257   | 15.2        | 50     | 3  | US-08-516-859A-57 |
| 23         | 230.5 | 13.6        | 801    | 1  | US-07-906-349A-6  |
| 24         | 224   | 13.2        | 217    | 1  | US-08-167-035-6   |
| 25         | 224   | 13.2        | 217    | 1  | US-08-208-887A-6  |
| 26         | 224   | 13.2        | 217    | 2  | US-08-539-005-6   |
| 27         | 224   | 13.2        | 217    | 2  | US-08-815-176-3   |

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| 28 | 224   | 13.2 | 217  | 2 | US-08-815-176-4   | Sequence 4, App1  |
| 29 | 224   | 13.2 | 217  | 4 | US-08-664-962B-6  | Sequence 6, App1  |
| 30 | 224   | 13.2 | 217  | 4 | US-09-311-743-6   | Sequence 6, App1  |
| 31 | 210   | 12.4 | 183  | 1 | US-08-167-035-33  | Sequence 33, App1 |
| 32 | 210   | 12.4 | 183  | 1 | US-08-208-887A-33 | Sequence 33, App1 |
| 33 | 210   | 12.4 | 183  | 2 | US-08-539-005-33  | Sequence 33, App1 |
| 34 | 202   | 11.9 | 228  | 1 | US-08-167-035-47  | Sequence 47, App1 |
| 35 | 202   | 11.9 | 228  | 1 | US-08-208-887A-47 | Sequence 47, App1 |
| 36 | 202   | 11.9 | 228  | 2 | US-08-539-005-47  | Sequence 47, App1 |
| 37 | 202   | 11.9 | 228  | 2 | US-08-815-176-5   | Sequence 5, App1  |
| 38 | 177   | 10.5 | 1290 | 1 | US-08-138-641-2   | Sequence 2, App1  |
| 39 | 177   | 10.5 | 1290 | 1 | US-08-138-133-2   | Sequence 2, App1  |
| 40 | 167   | 9.9  | 844  | 1 | US-07-646-537B-2  | Sequence 2, App1  |
| 41 | 151.5 | 8.9  | 330  | 2 | US-08-815-176-1   | Sequence 1, App1  |
| 42 | 149   | 8.8  | 464  | 1 | US-08-475-894-4   | Sequence 4, App1  |
| 43 | 149   | 8.8  | 464  | 1 | US-08-484-710-4   | Sequence 4, App1  |
| 44 | 149   | 8.8  | 464  | 2 | US-08-484-709-4   | Sequence 4, App1  |
| 45 | 149   | 8.8  | 464  | 4 | US-08-474-697-4   | Sequence 4, App1  |

## ALIGNMENTS

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RESULT 1
US-07-906-349A-8
; Sequence 8, Application US/07906349A
; Patent No. 5434064
; GENERAL INFORMATION:
; APPLICANT: Schlusser, Joseph
; APPLICANT: Skolnik, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: A NOVEL EXPRESSION-CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE KINASES
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESS: Broadway and Neimark
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,349A
; FILING DATE: 30-JUN-1992
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/643,237
; FILING DATE: 18-JAN-1991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-373-3528
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-906-349A-8

Query Match 66.7% ; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2% ; Pred. No. 3.1e-94;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
5 AGNFSEERSWYGRSLRQAVALLGCRHGVFLRDSSTSPGDYVLSVSENSRVSHYI 64
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Db 93 INSSGPRPPVPSPAQPPGVSPSRLRIGDQEFDSLPALEFYKIHLYDTTTLLEPVARS 152
Qy 123 RQSGSVILRQEEAEYRALFDENGDEEDLPKKGDILIRIDKPEEQWMAEDSEGRKGM 184
Db 153 RQSGSVILRQEEAEYRALFDENGDEEDLPKKGDILIRIDKPEEQWMAEDSEGRKGM 212
Qy 185 IPVPYEKTRPASASVSALIGNQGSHPOPLGSGP 223
Db 213 IPVPYEKTRPASASVSALIGNQGSHPOPLGSGSLGP 251

RESULT 2
US-08-167-035-4
; Sequence 4, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schllessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/167, 035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-167-035-4

Query Match 66.7%; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2%; Pred. No. 3.1e-94;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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Qy 185 IPVPYEKTRPASASVSALIGNQGSHPOPLGSGP 223
Db 213 IPVPYEKTRPASASVSALIGNQGSHPOPLGSGSLGP 251

RESULT 3
US-08-208-887A-4
; Sequence 4, Application US/08208887A
; Patent No. 5677421
; GENERAL INFORMATION:
; APPLICANT: Schllessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/208,887A
; FILING DATE: 11-MAR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-063
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-208-887A-4

Query Match 66.7%; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2%; Pred. No. 3.1e-94;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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RESULT 4
US-08-539-005-4
; Sequence 4, Application US/08539005
; Patent No. 5858686
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/539,005
; FILING DATE: 4-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-539-005-4

Query Match 66.7%; Score 1129; DB 2; Length 256;
Best Local Similarity 98.2%; Pred. No. 3.1e-94;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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; Sequence 39, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 236 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-167-035-39

Query Match 47.7%; Score 807.5; DB 1; Length 236;
Best Local Similarity 76.4%; Pred. No. 2.7e-65;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;
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; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESSES:
; ADDRESS: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/208,887A
; FILING DATE: 11-MAR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-063
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 236 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-208-887A-39

Query Match 47.7%; Score 807.5; DB 1; Length 236;
Best Local Similarity 76.4%; Pred. No. 2.7e-65;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

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DB 213 MIPVPYVEKCRPSASVSTLTGG 235
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RESULT 7
US-08-539-005-39
; Sequence 39, Application US/08539005
; Patent No. 5658686
; GENERAL INFORMATION:
; APPLICANT: Schlusser, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESS: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
```

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; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/539,005
; FILING DATE: 4-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 236 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-539-005-39

Query Match 47.7%; Score 807.5; DB 2; Length 236;
Best Local Similarity 76.4%; Pred. No. 2.7e-65;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

QY 5 AGNFDSEERSWYWGRLSROEAVALLQGRHGVFLVRDSTSPGDYVLVSSENSRVSHYI 64
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QY 65 INSSGRPPVPSPAOP-PPGVSPSRIRIGDQEPDLPALLEFYKIRHLDTTTLEPYAR 123
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QY 184 MIPVPYVEKYPASASVSLTGG 206
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DB 213 MIPVPYVEKCRPSASVSTLTGG 235
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RESULT 8
US-08-167-035-25
; Sequence 25, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schlusser, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESS: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/167,035
FILING DATE: 16-DEC-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-062
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-167-035-25
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```
Query Match          22.9%; Score 387.5; DB 1; Length 107;
Best Local Similarity 71.0%; Pred. No. 6.4e-28;
Matches 76; Conservative 10; Mismatches 20; Indels 1; Gaps 1;
```

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QY 16 WYWGRLSROEAVALLQGRHGVLVRSSTSPGDYVLSVSENSRVSHYIINSSGPRPPVP 75
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 WYWGRLSRGDAVSLLOGRHTFLVRDSSIFGDFVLSVSESSRVSHYIIVNSLGPAGRR 60

QY 76 PSPAP-PPGVSPSRLIGDQFDSLPALEFFKIHLYDTTLLIEPV 121
      |||:|:| || |||:|:| |||:|:| |||:|:| |||:|:| |||:|:| |||:|:|
Db 61 AGGEGPAPGLNPTFLIGDNVDSLPLLEFFKIHLYDTTLLIEPV 107
```

```
RESULT 9
US-08-208-887A-25
Sequence 25, Application US/08208887A
Patent No. 5677421
GENERAL INFORMATION:
APPLICANT: Schliesinger, Joseph
APPLICANT: Margolis, Benjamin L.
TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: 10036-2711
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/208,887A
FILING DATE: 11-MAR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-063
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
```

```
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-208-887A-25
```

```
Query Match          22.9%; Score 387.5; DB 1; Length 107;
Best Local Similarity 71.0%; Pred. No. 6.4e-28;
Matches 76; Conservative 10; Mismatches 20; Indels 1; Gaps 1;
```

```
QY 16 WYWGRLSROEAVALLQGRHGVLVRSSTSPGDYVLSVSENSRVSHYIINSSGPRPPVP 75
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 WYWGRLSRGDAVSLLOGRHTFLVRDSSIFGDFVLSVSESSRVSHYIIVNSLGPAGRR 60

QY 76 PSPAP-PPGVSPSRLIGDQFDSLPALEFFKIHLYDTTLLIEPV 121
      |||:|:| || |||:|:| |||:|:| |||:|:| |||:|:| |||:|:| |||:|:|
Db 61 AGGEGPAPGLNPTFLIGDNVDSLPLLEFFKIHLYDTTLLIEPV 107
```

```
RESULT 10
US-08-479-078-24
Sequence 24, Application US/08479078
Patent No. 5814466
GENERAL INFORMATION:
APPLICANT: Pawson, Anthony
APPLICANT:
TITLE OF INVENTION: Method for Assaying for a Substance that
TITLE OF INVENTION: Affects an SH2-Phosphorylated Ligand Regulatory System
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bereskin & Parr
STREET: 40 King Street, West
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5H 3Y2
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/479,078
FILING DATE: June 6, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Linda M. Kurdzyk
REGISTRATION NUMBER: 34,971
REFERENCE/DOCKET NUMBER: 3153-154
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 364-7311
TELEFAX: (416) 361-1398
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
US-08-479-078-24
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```
Query Match          22.9%; Score 387.5; DB 2; Length 107;
Best Local Similarity 71.0%; Pred. No. 6.4e-28;
Matches 76; Conservative 10; Mismatches 20; Indels 1; Gaps 1;
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```
QY 16 WYWGRLSROEAVALLQGRHGVLVRSSTSPGDYVLSVSENSRVSHYIINSSGPRPPVP 75
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 WYWGRLSRGDAVSLLOGRHTFLVRDSSIFGDFVLSVSESSRVSHYIIVNSLGPAGRR 60
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QY 76 PSPAOP-PPGVSPSRRLIGDQFEDSLPALLEFYKIHVLDTTLLIEPV 121  
DB 61 AGGEGFAGLNPTRFLIGDNVFDLSPLLEFYKIHVLDTTLLIEPV 107

RESULT 11  
US-08-539-005-25

Sequence 25, Application US/08539005  
Patent No. 5858686  
GENERAL INFORMATION:  
APPLICANT: Schllessinger, Joseph  
APPLICANT: Skolnick, Edward Y.  
APPLICANT: Margolis, Benjamin L.  
TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR  
IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE  
KINASES AND NOVEL TARGET PROTEINS  
NUMBER OF SEQUENCES: 50  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: 10036-2711  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/539, 005  
FILING DATE: 4-OCT-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/167,035  
FILING DATE: 16-DEC-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Cornuzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7683-062  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 107 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-539-005-25

Query Match 22.9%; Score 387.5; DB 2; Length 107;  
Best Local Similarity 71.0%; Pred. No. 6.4e-28;  
Matches 76; Conservative 10; Mismatches 20; Indels 1; Gaps 1;

QY 16 WYWGRLSROEAVALLQGRHGFTLVDRDSTSPGDVYLSVSENSRSHYIINSSGRRPVP 75  
DB 1 WYWGRLSRGDAVSLQGRHGFTLVDRDSTSPGDVYLSVSENSRSHYIINSSGRRPVP 60  
QY 76 PSPAOP-PPGVSPSRRLIGDQFEDSLPALLEFYKIHVLDTTLLIEPV 121  
DB 61 AGGEGFAGLNPTRFLIGDNVFDLSPLLEFYKIHVLDTTLLIEPV 107

RESULT 12  
US-08-446-038B-23  
Sequence 23, Application US/08446038B  
Patent No. 5658791  
GENERAL INFORMATION:

APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;  
APPLICANT: Harput, Ailsa  
TITLE OF INVENTION: No. 5658791e1 Protein Tyrosine Kinase  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Felte & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10022

COMPUTER READABLE FORM:  
MEDIUM TYPE: diskette, 3.5 inch, 360 kb storage  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/446,038B  
FILING DATE: 19-MAY-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/064,067  
FILING DATE: 30-Jun-1993  
APPLICATION NUMBER: PCT/US91/08889  
FILING DATE: 26-No. 5658791-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: Australian PK3594/90  
FILING DATE: 28-No. 5658791-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: Australian 88229/91  
FILING DATE: 27-No. 5658791-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Hanson, No. 5658791man D.  
REGISTRATION NUMBER: 30,946  
REFERENCE/DOCKET NUMBER: LUD 5244  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-688-9200  
TELEFAX: 212-838-3884  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 89 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-446-038B-23

Query Match 20.6%; Score 348.5; DB 1; Length 89;  
Best Local Similarity 66.0%; Pred. No. 1.6e-24;  
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;

QY 16 WYWGRLSROEAVALLQGRHGFTLVDRDSTSPGDVYLSVSENSRSHYIINSSGRRPVP 75  
DB 1 WYWGRLSRGDAVSLQGRHGFTLVDRDSTSPGDVYLSVSENSRSHYIINSSGRRPVP 54  
QY 76 PSPAOP-PPGVSPSRRLIGDQFEDSLPALLEFYKIHVLDTTLLIEPV 121  
DB 55 -----PAGRRAGGEFDSLPLLEFYKIHVLDTTLLIEPV 89

RESULT 13  
US-08-446-010B-23  
Sequence 23, Application US/08446010B  
Patent No. 5716818  
GENERAL INFORMATION:  
APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;  
APPLICANT: Harput, Ailsa  
TITLE OF INVENTION: No. 5716818e1 Protein Tyrosine Kinase  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Felte & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York



COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/446,010B  
FILING DATE: 19-MAY-1995  
CLASSIFICATION: 433  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/446,038  
FILING DATE: 19-MAY-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/064,067  
FILING DATE: 30-Jun-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US91/08889  
FILING DATE: 26-NO. 5716818-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: Australian PK3594/90  
FILING DATE: 28-NO. 5716818-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: Australian 88229/91  
FILING DATE: 27-NO. 5716818-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Baer, Madeline F.  
REGISTRATION NUMBER: 36,437  
REFERENCE/DOCKET NUMBER: LUD 5244.3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-688-9200  
TELEFAX: 212-838-3884  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 89 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-446-010B-23

Query Match 20.6%; Score 348.5; DB 1; Length 89;  
Best Local Similarity 66.0%; Pred. No. 1.6e-24;  
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;

QY 16 WYWGRLSRQAVALLQGRHGVLVRDSSRSPGDVLSVSENSRSHYIINSGPRPPVP 75  
||||| :|||:||||| :||| :|||:|||||:|||||:|  
DB 1 WYWGRLSRGDAVSLQGRHGFTLRDSSGSIQDPVLSVSSSRSHYIVNSLG----- 54

QY 76 PSPAQPPEGVSPSRIRIGDQEFDSLPALEFYKIHLYLDTTLLIEPV 121  
|:| :|||:|||||:|||||:|||||:|||||:|  
DB 55 -----PAGGRRAGEFDSLPLSLEFYKIHLYLDTTLLIEPV 89

RESULT 14  
US-08-805-445-23  
; Sequence 23, Application US/08805445  
; Patent No. 5821069  
; GENERAL INFORMATION:  
; APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;  
; APPLICANT: Harpur, Alisa  
; TITLE OF INVENTION: No. 5821069e1 Protein Tyrosine Kinase  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Felfe & Lynch  
; STREET: 805 Third Avenue  
; CITY: New York City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10022  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
; COMPUTER: IBM PS/2

OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/805,445  
FILING DATE: 25-FEB-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/446,038  
FILING DATE: 19-MAY-1995  
APPLICATION NUMBER: 08/064,067  
FILING DATE: 30-Jun-1993  
APPLICATION NUMBER: PCT/US91/08889  
FILING DATE: 26-NO. 5821069-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: Australian PK3594/90  
FILING DATE: 28-NO. 5821069-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: Australian 88229/91  
FILING DATE: 27-NO. 5821069-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Hanson, No. 5821069man D.  
REGISTRATION NUMBER: 30,946  
REFERENCE/DOCKET NUMBER: LUD 5244  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-688-9200  
TELEFAX: 212-838-3884  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 89 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-805-445-23

Query Match 20.6%; Score 348.5; DB 2; Length 89;  
Best Local Similarity 66.0%; Pred. No. 1.6e-24;  
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;

QY 16 WYWGRLSRQAVALLQGRHGVLVRDSSRSPGDVLSVSENSRSHYIINSGPRPPVP 75  
||||| :|||:||||| :||| :|||:|||||:|||||:|  
DB 1 WYWGRLSRGDAVSLQGRHGFTLRDSSGSIQDPVLSVSSSRSHYIVNSLG----- 54

QY 76 PSPAQPPEGVSPSRIRIGDQEFDSLPALEFYKIHLYLDTTLLIEPV 121  
|:| :|||:|||||:|||||:|||||:|||||:|  
DB 55 -----PAGGRRAGEFDSLPLSLEFYKIHLYLDTTLLIEPV 89

RESULT 15  
US-08-064-067D-23  
; Sequence 23, Application US/08064067D  
; Patent No. 5852184  
; GENERAL INFORMATION:  
; APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;  
; APPLICANT: Harpur, Alisa  
; TITLE OF INVENTION: No. 5852184e1 Protein Tyrosine Kinase  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Felfe & Lynch  
; STREET: 805 Third Avenue  
; CITY: New York City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10022  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: PC-DOS  
; SOFTWARE: Wordperfect  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/064,067D  
; FILING DATE: 30-Jun-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US91/08889



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; FILING DATE: 26-No. 5852184-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian PK3594/90
; FILING DATE: 28-No. 5852184-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian 88329/91
; FILING DATE: 27-No. 5852184-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 5852184man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5244
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-688-9200
; TELEFAX: 212-838-3884
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 89 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-064-067D-23

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Query Match      20.6%; Score 348.5; DB 2; Length 89;
Best Local Similarity 66.0%; Pred.No.1.6e-24;
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;

QY 16 WYWGRISSROEVALLOGRHGVFIVRDSTSPGDVLSVSENSRYSHYIINSSGPRPVP 75
   ||||||| :||:||||||| ||||| :||:|||||||:|||||:| |
Db 1 WYWGRISSRDGDAVSLLOGRHGTFIVRDGSLPGDFVLSVSESSRVSHYIVNSLG----- 54

QY 76 PSPAQPPPGVSPSRRLRICDOEFDSLPALEFYKIHVLDTTLLIEPV 121
   | : | |||||:|||||:|||||:|||||:|||||
Db 55 -----PAGGRRAGGEFDLPSLLEFYKIHVLDTTLLIEPV 89

```

Search completed: September 27, 2001, 16:41:50  
Job time: 248 sec